Inventor: Benoit Jules Jurion et al.
Docket No.: 60001.0101US01/MS 131071.1
Title: Method and System for Character Sequence Checking According to a Selected Language Serial No.: 09/345,195 Sheet I of 14 Replacement Sheet - Fig. 1 1/14 COMPUTER LOCAL AREA REMOTE NETWORK MONITOR AREA NETWORK IWIDE 52 ¦ ⊗ 49 36 NETWORK INTERFACE APPLICATION PROGRAMS 53 MODEM KEYBOARD 54 SERIAL PORT INTERFACE MOUSE 34 OPTICAL DISK INTERFACE ADAPTER VIDEO SYSTEM BUS 33 MAGNETIC DISK DRIVE INTERFACE **PROGRAM** DATA **PROCESSING** 7 H 32 37 INTERFACE HARD DISK DRIVE APPLICATION 36 OTHER PROGRAM PROGRAMS MODULES /22 28 123 35 38 38 37 SYSTEM MEMORY (ROM) 2 PROGRAM MODULES **APPLICATION OPERATING PROGRAMS** 35 **PROGRAM** SYSTEM OTHER DATA BIOS **OPERATING** SYSTEM (RAM)

JAN : 2 2005

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Replacement Sheet - Fig. 2

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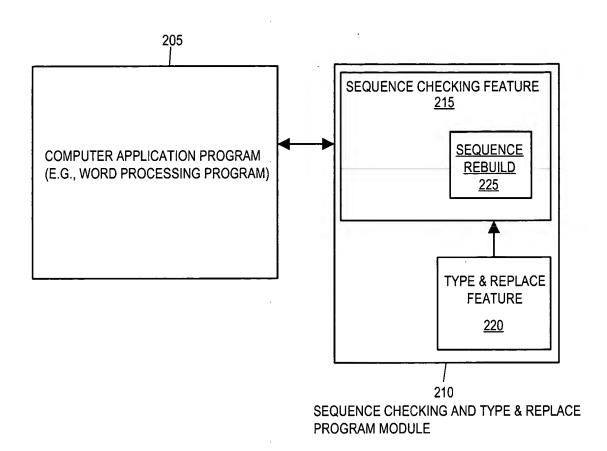


FIG. 2

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Sheet 3 of 14
Replacement Sheet - Fig. 3

	Options ?X
	Track Changes User Information Compatibility File Locations View General Edit Print Save Spelling & Grammar
	Editing Options ✓ Typing replaces selection: ✓ Drag-and-drop text editing ✓ When selecting, automatically select entire word ✓ Use the INS key for paste ✓ Overtype mode ✓ Use smart cut and paste ✓ Tabs and backspace set left indent
310	☐ Allow accented uppercase in French Picture editor: Microsoft Word Sequence checking options ✓ Use sequence checking ✓ Type and Replace
	OK Cancel

FIG. 3

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Sheet 4 of 14 Replacement Sheet - Fig. 4-1

CHARACT	ΓER Ι	Ω	CTRI	Space	NON1	NON2	ИΤ	LV1	II V2	11.1/3	11 \/4	CONS	TONE	AD1	AD2
	STATE	١		opaco	NON	NONZ	-'	"	LVZ	1203	244	CONS	TONE	ולא	702
initial	0	0	1a	3a	2a	*4a	5a	8A	20a	23a	27a	32a			
CTRL	*4	à	- · ·				-		-						
NON1	2	0	-		l		\vdash	-							
Space	*3	0				*4a	T								
N2	4	Ö													
LT	5	0													
LTFV4	6	0													
LTFV2	7	0											ļ		
LV1	8		1			l	ļ	40aCa23	20r	23r	271	_9a	<u> </u>		
LV1C	9	0											19a	37d2a	36a
LV1CAV1	10	0					1						11a	*48d3a	3 6r
LVICAV1T	11	0					ļ.,						111	*46d4r	36dr
LVICAV3	12	0	<u> </u>				_						13a	37d3r	36r
LV1CAV3T	13	0					1		<u> </u>				13r	37d4dr	36dr
LV1CFV1	14	0					↓	<u> </u>	_				19r	37d3r	36r
LV1CTFV4	15	0					↓_		-				15r2	37d4dr	36dr
LV1CFV4FV1	16	0					1	<u> </u>	<u> </u>		<u> </u>		1712	37dd3r	36dr
LV1CTFV4FV1	17	0	-			-	↓ —		-			-	17:3	37d5ddr	36ddr
LV1CFV4	18	0	 				+		1		<u> </u>		1511	37d3r 37d3r	36r 36r
LV1CT LV2	19 20	0	-				+-	8r	20-	23r	27r	21a	18r	3/43	30/
LV2 LV2C	21	0	 				\vdash	9	ZUI	431	4/1		22a	37d2a	38d2a
LV2CT	22	0	_				+-	-	+-	-	-		22a 22r	37d3r	38d3r
LV3	23	۲-			l	-	╁	8r	20r		271	24a		9049	-
LV3C	24	0			<u> </u>	 	+-	100000 M 200000		-	ustiliii		66a	37d2a	25a
LV3CAD2	25	ō			-		+-		 - -				66r	37d3r	
LV3CFV1	26	ő			 								*69	37d3r	25r
LV4	27					-		8r	20r	23₽		28a			telelemetelele
LV4C	28	0			i	-	1		1414141414				29a	37d2a	38d2a
LV4CT	29	0											29r	37d3r	38d3r
LV4CTFV1	30	0											30r2	37d4dr	38d4dr
LV4CFV1	31_	0											3011	37d3r	38d3r
С	32	0											60a	37a	38a
CFV1	33	0					T						6111	37r	38r
CFV3	34	0					_				<u> </u>		6211	37r	381
CFV4	35	0	<u> </u>						<u>.</u>	<u> </u>	<u> </u>	<u> </u>	63(1	37r	38r
LV1CAD2	36	0					↓_						*19r	37d3r	000202000
CAD1	37	0	<u> </u>						ļ	ļ	<u> </u>		60r		38r
CAD2	38	0											60r	37r	800
CAD3 LV1LV1	39 40	0					 —		5825	23dr	8921	41a	60r	377	38r
LV1LV1C	41	6				-	\vdash		2001	Zaui	Ziui	41a	67a	37d3d2a	47a
CAD3FV4	42	ö					├						62r2FV3r		38dr
CAD4	43	ŏ		-			+	-					60r	37r	38r
CAV1	44	6					+-			-	-	-	45a	46a	38
CAV1T	45	ŏ		-			1						451	46r	38dr
CAV1AD1	46	ō					+	-					45r		38dr
LV1LV1CAD2	47	0			i		1		1-			i		37d4d3r	
LV1LV1CFV1	48	ō		l		-		1					159	37d4d3r	471
CAV2	49	0						L					50a	37r	38r
CAV2T	50	0											50r	37dr	38dr
CAV3	51	0											52a	37r	38r
CAV3T	52	0					ļ		ļ		L	 	52r	37dr	38dr
CAV4	53	0					1		ļ]			54a	37r	38r
CAV4T	54	0	ļ		<u> </u>	ļ	_		ļ	ļ			54r	37dr	38dr
CBD	55	ļ o		ļ							 	ļ	60r	37t	38r
CBV1 CBV1T	<u>56</u>	0				ļ	+-			-	-		57a 57t	58a 58r	38r
CBV11 CBV1AD1	57 58	0					 		-	<u> </u>		-	57r	16C	38dr 38dr
LV1LV1CTFV1	59	1		 -			+-	 			 		59r2	37d5d4dr	300r 47dr
CT	60	6			 		+	-		 			60r	371	38r
CTFV1	61	10	-	-				 		-	-	<u> </u>	61r2	37dr	38dr
CTFV3	62	10	-		t -		\vdash		\vdash			-	62r2	37dr	38dr
CTFV4	63	ō	-	ļ .	 		\vdash	+	1	-	-		63r2	37dr	38dr
CBV2	64	ō					\vdash					 	65a	37r	38r
CBV2T	65	ō		<u> </u>	T		T	1	1		T-		65r	37dr	38dr
LV3CT	66	0											66r	37d3r	25r
LV1LV1CT	67	0											67r	37d4d3r	47r
LV1CTFV1	68	0											68r2	37d4dr	36dr
LV3CTFV1	69	0							L				69r2	37d4dr	25dr
CFV4FV1	70	0			L			<u> </u>	<u></u>	L		L	63di1	37dr	38dr
								FIG	1	1					

FIG. 4-1

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Sheet 5 of 14
Replacement Sheet - Fig. 4-2

AD3	AD4	AV1	AV2	AV3	AV4	BV1	BV2	BD	FV1	FV2	FV3
						<u>-</u>					
										7a	
										71	
39d2a 39d3r	43d2a 43d3r	10a	49d2a 49d3r	12a 12r	53d2a 53d3r	56d2a 56d3r	64d2a 64d3r	55d2a 55d3r	14a 14r		34d2 34d3
39d4dr 39d3r	43d4dr 43d3r	10r	50d4r2 49d3r	13r2 12r	54d4r2 53d3r	57d4r2 56d3r	65d4r2 64d3r	55d4dr 55d3r	*68d2a 14r		62 d4d 3 4d 3
39d4dr 39d3r	43d4dr 43d3r	11/2 10/	50d4r2 49d3r	13r2 12r	54d4r2 53d3r	57d4r2 56d3r	65d4r2 64d3r	55d4dr 55d3r	*68d2a		62d4d 34d3
39d4dr 4dd3FV3r	43d4dr 43d4dr	11i2d 10dr	50d4i2d 49dd3r	13/2d 12dr	54d4i2d 53dd3r	57c4i2d 56dd3r	65d4i2d 64dd3r	55d4dr 55dd3r	17a		62d4 34dd3
39dd4dr	43dd4dr	11di2d 10r	49003 50dd4i2d 49d3r	13di2d 12r	54dd4i2d	57dd4i2d 56d3r	65dd4l2d	55dd4dr 55d3r	16a		62dd4 34d3
39d3r	43d3r 43d3r	11.1	*45d3i	1311	53d3r 54d3i	57d3i1	64d3r 65d3i1	55d3r	68a		6263
*39d2a 39d3r	43d2a 43d3r	44d2a *45d3i	49d2a *50d3i	51d2a *52d3i	53d2a *54d3i	66d2a *57d3i	64d2a 165d3i	55d2a 55d3r	33d2a 33d3r		34d2 *62d3
39d2a	43d2a	44d2a	49d2a	51d2a	53d2a	56d2a	64d2a	55d2a	26a		34d2
39d3r 39d3r	43d3r 43d3r	44d3r 44d3r	49d3r 49d3r	51d3r 51d3r	53d3r 53d3r	56d3r 56d3r	64d3r 64d3r	55d3r 55d3r	26r		34d3 34d3
39d2a	43d2a	44d2a	49d2a	51d2a	53d2a	56d2a	64d2a	55d2a	31a		34d2
39d3r 39d4dr	43d3r 43d4dr	45d3i1 45d4i2d	*50d3i1 50d4i2d	52d3i1 52d4i2d	54d3i1 *54d4l2d	*57d3i1 57d4i2d	*65d3i1 65d4i2d	55d3r 55d4dr	30a		62d3 62d4
39d3r 39a	43d3r 43a	44d3r 44a	49d3r 49a	51d3r 51a	53d3r 53a	56d3r 56a	54 d3r 64a	55d3r 55a	33a		34d3 34a
39r 39r	43r 43r	44r 44r	49r 49r	51r 51r	53r 53r	56r 56r	64r 64r	55r 55r	33r		34r
34FV3r 39d3r	43r 43d3r	44r 10r	49r 49d3r	51r 12r	*53r 53d3r	56r 56d3r	64r 64d3r	55r 55d3r	70a 14r		34r 34d3
39r 39r	43r 43r	46:1 44r	49r 49r	51r 51r	53r 53r	581 561	64r 64r	55r 55r	33r 33r		34r 34r
	43r	44r	49r	51r	53r	*56r	64	55r	33r		34r
39d3d2a 39dr	43d3d2a 43dr	44d3d2a 44dr	49d3d2a 49dr	51d3d2a 51dr	53d3d2a 53dr	56d3d2a 56dr	64d3d2a 64dr	55d3d2a 55dr	48a 33dr		34d3d 34d
39r 39r	• 43r	4 4r	49r 49r	51r 51r	53r 53r	56r 56r	64r 64r	55r 55r	33r 33r		34r 34r
39dr 39dr	43dr 43dr		50r2 49dr	52r2 51dr	54r2 53dr	57r2 58r2	65r2 64dr	55dr 55dr	61d2a 33dr		62d2 34d
39d4d3r 39d4d3r	43d4d3r 43d4d3r	44d4d3r 44d4d3r		51d4d3r 51d4d3r	53d4d3r 53d4d3r			55d4d3r 55d4d3r	48r		34d4c
39r 39dr	43r 43dr	44r 45r2	-	51r 52r2	53r 54r2	56r 57r2	64r 65r2	55r 55dr	33r 61d2a		34r 62d2
39r 39dr	43r 43dr	44r 45r2	49r 50r2	51r 52r2	53r 54r2	56r 57r2	64r 65r2	55a 55dr	33r 61d2a		34r 62d2
39r 39dr	43r 43dr	44r 45r2	49r 50r2	51r 52r2	*	56r 57r2	64r 65r2	55r 55dr	33r 62d2a		34r 62d2
39r 39r	43r 43r	44r 44r	49r 49r	51r 51r	53r 53r	58r	64r 64r	55r	33r 33r		34r 34r
39dr 39dr	43dr 43dr	45r2 46r2	50r2 49d2r	52r2 51dr	54r2 53dr	*	65r2 64dr	55dr 55dr	61d2a 33dr		62d2 34d
		*45d5d4di 45.1		*52d5d4di 52i1		*57d5d4di 57i1	*65d5d4di 65i1				62d5d
39dr 39dr	43dr 43dr	45i2d 45i2d	*50i2d *50i2d	*50i2d *50i2d	*54i2d *54i2d	57i2d 57i2d	65i2d 65i2d	55dr 55dr	61r		62r
62FV3r 39r	43dr 43r	45i2d 44r	50i2d 49r	52i2d 51r	54 2d 53r	57i2d 56r	65i2d	55dr 55r	61r 33r		62r 34r
39dr 39d3r	43dr 43d3r	45r2 *45d3i	50r2 *50d3l	52r2 *53d3i	54r2 *54d3i	57/2 *57d3i	*6583i	55dr 55d3r	61d2a 69a		62d2 162d
39d4d3r 39dd3r	43d4d3r 43dd3r	*45d4d3i 11di1	*50d4d3i *50dd3i	*53d4d3i 13di1	*54d4d3i 54dd3i1	*57d4d3i 57dd3i1	*65d4d3i 65dd3i1	55d4d3r 55dd3r	59a		62 d4 c 82dd
39d4dr	4304dr	*45d4di	*50d4di	*52d4di	*54d4di	*57d4di	65d4di1	55d4dr		_	*62d

FIG. 4-2

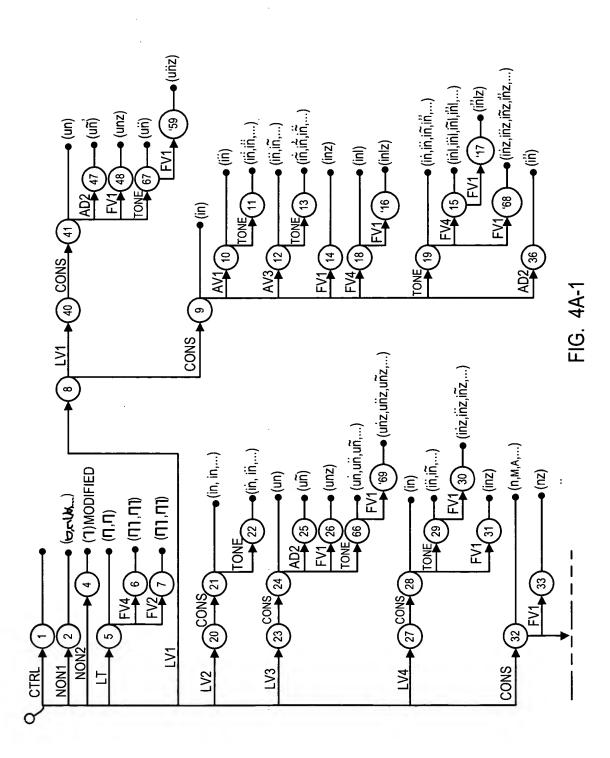
Inventor: Benoit Jules Jurion et al.

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Sheet 6 of 14 Replacement Sheet - Fig. 4A-1

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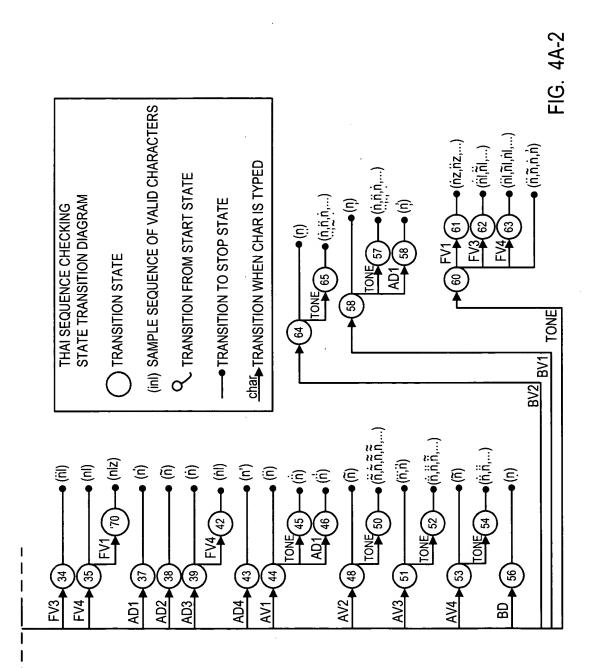
Inventor: Benoit Jules Jurion et al. Docket No.: 60001.0101US01/MS 131071.1

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Replacement Sheet - Fig. 4A-2

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Replacement Sheet - Fig. 5

zerow	idth	chars	Ζw										2		12a									
accent			Ac						6а	2	8a	<u>6</u>		20a				15a	(§)	17a	1,11/1	19a	19r1	2011
vow el	sign	ı	۸s						7 a	8:1	7.1	812		18a				16a	Ę	161	7,172	1861	1972	19i1
dep_vo	 ≪		۵											14a				<u> </u>	2 1 2 1 2	1672	1773	1611	1712	1511
nukta			Ra										10a				10a							
irama		-	>					_						11a										
ext_\	conso	-	Ec	10a												10a								
norm_	conso conso		Sc	9а												13a								
ov_bn	e ×		.≥	5а																				
ind_c abbr delimit number Ind_vonorm_ ext_ viramanukta dep_vo vow el accent zerow	•		q	4 a																				
delimit			۵	3a																				
abbr			Ab	2a																				
ind_c	hars		<u>ပ</u>	<u>1</u> 9																				
	\$			0	0	0	0	0	0	0	0	0	10	0	12	*	10	0	0	0	0	0	0	0
		STER	STATE	0	_	2	က	4	2	9	7	∞	6	10	11	12	13	14	15	16	17	18	19	20
		CHARACTER	CONTEXT	initial	<u>.</u> 2	Ab	۵	qN	.≥	ivAc	ivVs	ivVsAc	Nc	NcNa	NcNaV	NcNaVZc	NcNaVZNc	NcNaDv	NcNaDvAc	NcNaDvVs	NcNaDvVsAc	NcNaVs	NcNaVsAc	NcNaAc

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Replacement Sheet - Fig. 5A

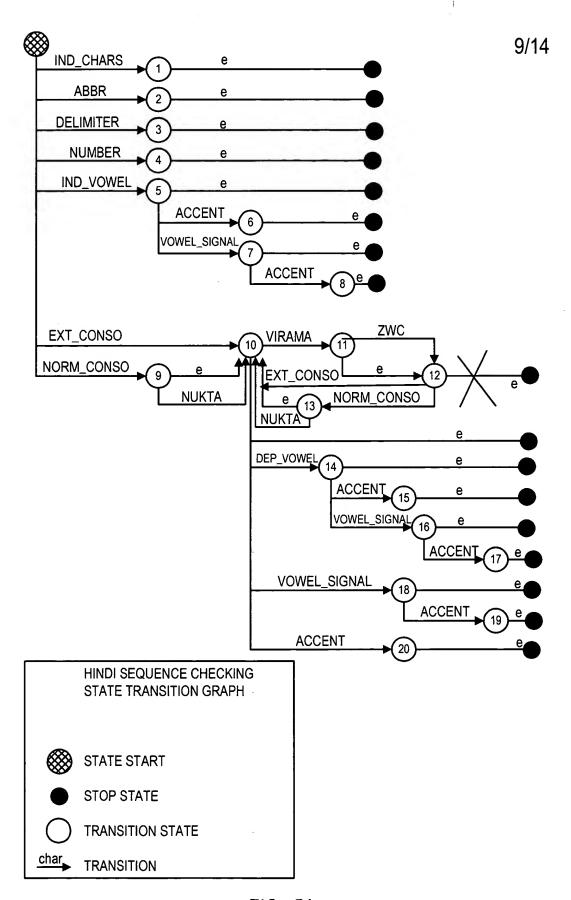


FIG. 5A

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Replacement Sheet - Figs. 6 and 6A

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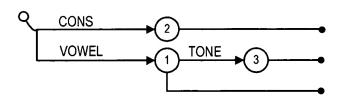


FIG. 6A

CHAR	ACTER	{}	VOWEL	TONE	CONS
CONTEXT	STATE		V	Т	С
initial	0	0 -	1a		2a
V	1	0		3a	
С	2	0			
VT	3	0		3r	

FIG. 6

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Replacement Sheet - Fig. 7

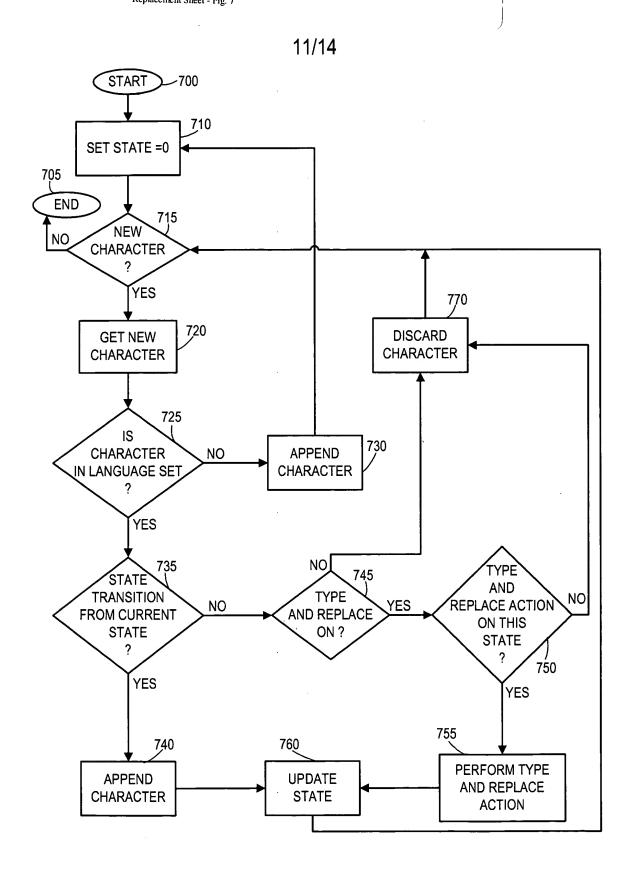


FIG. 7

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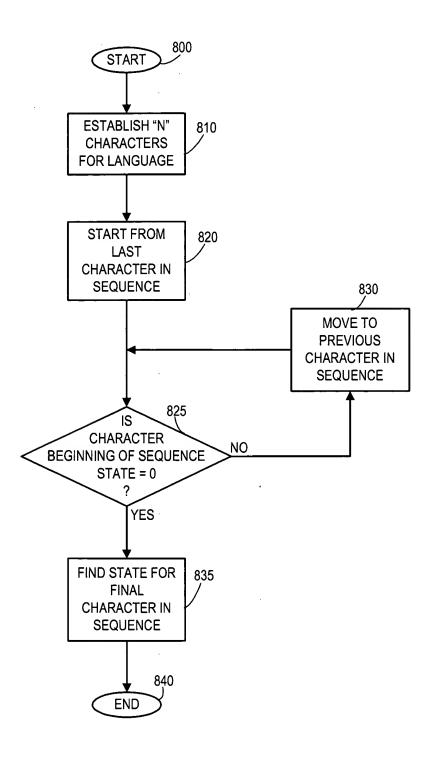


FIG. 8

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Sheet 13 of 14 Replacement Sheet - Figs. 9 and 9A

SYMBOL	INDEX	ACTION	EXAMPLE		
Char a	IP	IP Append the character char			
Char I [n]	IP-n where n>0	Insert the character Char at the index location (before the ith character from the right)	ABD → Ci] → ABCD		
d [1]	IP-1	character	$AB \rightarrow d \rightarrow A$		
dn	IP-n where n>1	Remove the character at the index location	$ABC \rightarrow d2 \rightarrow AC$		
Char r[1]	IP-1	Replace the previous character with Char	$AC \rightarrow Br \rightarrow AB$		
Char rn	IP-n where n>1	IP-n where n>1 Replace the character Char at the index location with the new character			
Сху		Contextual information (this does not necessarily generate an action) for a possible character composition by the client application. In the Thai transition table "x" has the following values: "a" for composing the last 2 characters into LV3 (Sara-AE) or "b" for composing the last 2 characters into FV3 (Sara-Am). "y" indicates the number of the next transition state.	ABC → Cx2 → AD (if x composes B and C into D)		

FIG. 9

SYMBOL	ACTION	EXAMPLE
FV3r	Substitute the last character with FV3	\rightarrow FV3r \rightarrow

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Sheet 14 of 14
Replacement Sheet - Figs. 10-12

KEYBOARD INPUT	OUTPUT
क	क
	क्
क	क्क
7	क्की

FIG. 10

KEYBOARD INPUT	OUTPUT
क	क
•	क्
7	क्

FIG. 11

	<u> </u>
KEYBOARD INPUT	OUTPUT
क	क
•	क्
य	क्य
f	क्यि
•	क्यिं
1	क्यों

FIG. 12